

Megapesca's Projects

Seychelles, 2023

SWIOFISH3: Megapesca undertook an independent functional review of the Competent Authority, the Fish Inspection and Quality Control Unit (FIQCU) of the Seychelles Bureau of Standards, responsible for annual certification of €250 million export fishery products. Reviewed staffing levels, technical and financial performance, equipment, budgets and logistical means, and identified gaps in official controls. Reviewed laboratory provision to meet needs of the CA. Assessed industry developments (fleet trends and planned port & infrastructure investment) and identified short- and medium-term volume of control activities and proposed state budgets according to needs for improved functionality of the CA (also accounting for cost recovery from the sector). Assessed policy options for institutional location (including transfer of mandate to the Ministry responsible for fisheries) and identified legal, human resource, technical and budgetary implications. Presented findings to senior policy makers (Minister & Permanent Secretary) and facilitated decision making.

SADC Secretariat, 2023

EDF SADC Trade Facilitation Programme Capacity building of small-scale farmers and private sector on compliance with Sanitary and Phytosanitary measures focusing on animal health. Designed farmer training and train the trainer courses on animal health management for small scale operators engaged in regional trade. Identified trainers from regional farmer organisations, prepared materials and delivered training in a 3-day regional workshop in South Africa. Subsequently South Africa gained access to the EU market for its gastropod molluscs in January 2024.

South Africa, 2023

On behalf of an aquaculture association, reviewed the draft aquaculture bill proposed by the Government of South Africa, with a view to identifying issues of concern to the Abalone Farmers Association of South Africa in relation to compliance with sanitary measures (food safety and animal health) for products entering international trade. Recommendations for comments to the bill were submitted to the industry association for formal presentation to the Government consultation process.

Seychelles, 2023

Development of an onshore fish processing strategy under the EU funded project: Long Term Technical Assistance to Support the Economic Partnership Agreement (EPA) Implementation in Seychelles. Review under-utilised resources, assess capacities of industry and national technical support services. Advise Seychelles Fishing Authority on development programme for commercial opportunities for value added products. Train staff and sector stakeholders in fish technology and product development.

Private client, Croatia, 2023

Remote assessment of evidence concerning a consignment of bluefin tuna consigned from Croatia and rejected by receivers in Japan. Assessed surveyors reports and evaluated impacts of circumstances of shipping on quality of the cargo, and prepared report and recommendations on likely causes of damage and quantum.

Private client, Korea, 2021.

Reviewed evidence concerning a consignment of frozen squid consigned from the Falklands Islands waters and rejected by receivers in Korea. Assessed surveyors reports and evaluated impacts of circumstances of shipping on quality of the cargo, and prepared report and recommendations on likely causes of damage and quantum.

SADC Region, 2022

Formulation of a UNIDO Component of US\$1.2 millions of AfDB funded SADC Regional ProFishBlue Project addressing “Implementation of the One Stop Border Post Concept”. Reviewed regional fish trade, assessed capacities of Competent Authorities for sanitary controls in regional trade. In collaboration with SADC Secretariat, Technical Regulation Liaison Committee and Regional Laboratory Association, designed intervention logic, activities, and monitoring indicators. Drafted Project Document and presented recommendations to Project Steering Committee and Regional Heads of Fisheries Departments.

FAO Rome, 2022

Enhancing the sustainable utilization of fisheries and aquaculture products and its contribution to livelihoods and food security; developed a set of guidelines for post-harvest fisheries infrastructure investment. The Guidelines established a comprehensive technical resource for fishery business operators interested in investing in any fish processing technology and associated infrastructure, addressing factors which determine to type and level of investment, choice of appropriate technology. The Guidelines also addressed the need for legal and institutional infrastructure required for effective and efficient fishery sector investment.

Sierra Leone, 2021-2023

Working with FAO country office, reviewed primary and secondary laws and technical capacities for inspection and laboratory testing with a view to implementation of sanitary controls to allow the export of fishery products from Sierra Leone to the EU. Assessed technical and human resource capacities. Proposals were developed for amendment of legislation and for training of staff from the Competent Authority (the Ministry of Fisheries and Marine Resources). Arrangements for EU compliant testing were made with regional accredited laboratories. Recommended a strategic road map and action plan for short-term implementation leading to ensure compliance with EU sanitary regulations. Designed costed intervention strategy, validated road map in national stakeholder workshop.

South Africa and Namibia, 2022

Technical assistance for sanitary controls for export to EU of farmed molluscs; reviewed current systems for official control of food safety and animal health in the bivalve mollusc and abalone sector of the South Africa and Namibia. Compliance with EU legislation was reviewed, including the requirements for veterinary medicine controls and residue monitoring, control of microbiological conditions of harvest areas, monitoring of phytoplankton and marine biotoxins and aquatic animal health rules. Laboratory testing requirements were specified. The project developed a road map for competent authorities to prepare new regulations, strengthen laboratory testing and control capacities. Certification procedures for different products (live, aquaculture production and filter feeding bivalves) were recommended for the different Competent Authorities engaged.

Somalia, 2021

Working with FAO, reviewed mandates, current status and capacities for implementation of sanitary controls to allow the export of fishery products from Somalia to the EU. The consultant considered the different options for the institutional framework for national and state Competent Authorities. Reviewed primary and secondary laws and technical capacities for inspection and laboratory testing. Identified fishery sector activities, conditions and interest in EU exports. Liaised with operators and Government and recommended a strategic road map of intervention projects and associated actions for implementation by donors and Government to ensure compliance with EU sanitary regulations.

Guyana, Suriname & Bahamas, 2020-2022

EDF funded project, working with Caribbean Regional Fisheries Mechanism and the Inter-American Institute for Cooperation in Agriculture, a team of Megapesca consultants supported three fishery and aquaculture sector SMEs to improve sanitary compliance and market access. Designed and implemented objective selection criteria and procedure for the identification of beneficiary operators; identified needs in selected operators, and delivered technical assistance and training in HACCP, QC and sanitary operating procedures to aquaculture, processing, small scale businesses in Suriname, Bahamas and Guyana. Directed and produced two video documentaries illustrating the value of CRFM Guidelines in training and quality improvement in fishery and aquaculture business operators seeking to enter export markets.

Liberia, 2020

Long-Term Technical Support to the Liberia National Fisheries & Aquaculture Authority (NaFAA) Liberia. Reviewed mandates, current status and capacities for implementation of sanitary controls with a view to development of exports of fishery products to the EU. Reviewed primary and secondary laws, organisation structure, and technical capacities for inspection and laboratory testing. Identified fishery sector activities, conditions and interest in EU exports. Liaison with operators and EU Commission and recommended a road map of actions for implementation by the Government with a view to eventual listing of Liberia for exports to the EU.

Vietnam, 2020-2022

Global Quality and Standards Programme (GQSP) - funded by Government of Switzerland. Based at the home office, advised the Ministry of Agriculture and Rural Development (MARD) of Vietnam on policies and regulations related to food safety, plant health, technical and other legal requirements for the export of mango. Reviewed regulation, institutional and implementation of pesticide controls. Assessed validity of residue monitoring programme. Reviewed regulatory requirements for fruit imported into different export markets (US, EU, Japan, Korea etc) and interception data and quantified compliance conditions for Vietnamese mangoes. Developed integrated multi-stakeholder approach to improve regulatory management of pesticides at national and provincial level and support implementation by stakeholders (producers, packers, traders and pesticide input suppliers). Developed SOPs for traceability and advised on development of a traceability standard for horticulture produce. Supported International and National Experts undertaking development of sampling and upgrading of laboratory capacity for strengthened pesticide residue monitoring.

Kenya, 2020-2021

EDF funded Market Access Upgrade Programme (EAC MARKUP): Kenya. Review of national policy, legal and institutional framework for food safety and phytosanitary controls, with a view to strengthening export of horticultural products (peas, beans and mangoes). Investigated regional context for food safety controls (EAC, AU and Codex Committee Africa). Presentation of webinars and meetings with stakeholders to facilitate high level policy for reform. Advised Inter-Ministerial Task Force and advocated reform of food safety legislation and institutional structure with a view to establishing a food safety authority. Prepared ToR and supervised STTA inputs to develop new plant health policy and legislation. Prepared inspection manual for foods of plant origin and designed training approach for inspectors from different agencies.

Zanzibar, 2020

Technical Assistance for the Design of Anchovy Processing Unit; Megapesca provided a public sector fishing and fish processing company on process technology and food safety aspects of an investment to produce dried anchovy, to ensure compliance with international standards applied by export markets. Advised on hygienic layout and factory design, process design and equipment to meet national, EAC and Codex codes of practice. Worked with site engineers on detailed design aspects. Advised on food safety hazards and controls to be applied during production. Specified equipment required, identified suppliers and advised the Company on development of tender documents for procurement.

Sri Lanka, 2019

Socio-Economic Costs and Benefits of Food Safety Reform in Sri Lanka under EU – Sri Lanka Trade Related Assistance; Assessed economic benefits of improved terms of trade and extended market access using model-based approach. Assessed the effects of improved compliance with international standards. Economic value generated by the reduced loss of working days was also addressed. The findings of the study were used to underpin the rationale for a comprehensive reform of the national sanitary and phytosanitary control system.

Sri Lanka, 2019

Financed by AFD (France), advised re-design four fishing ports, as well as inspection, testing and certification systems for exports and domestic markets. Reviewed handling on board, discharge procedures and sales systems. Interviewed fishers, traders, processors and exporters. Identified bottlenecks and dysfunctions in the systems of handling, discharge and sale of fish. Assessed demand and supply of ice, and ice quality and safety conditions. Recommended investments in improved design and layout of fishing posits, installation of chill storage and treated water supplies. Advised the Competent Authority on strengthening controls on export quality and safety to meet international requirements.

Brussels/EU, 2019

On behalf of EuroGroup for Animals (animal welfare NGO) prepared a review of Fish Welfare in Wild Capture Fisheries. This included a comprehensive review of current scientific knowledge of nociception in the true fishes, identification of the different welfare hazards which could impact on fish during commercial fishing (such as physical injury, asphyxiation, barotrauma, depredation). The study also identified and described different fishing gears and handling practices and discussed the nature of

welfare hazards associated with each. This included indirect impacts of escape, live discards, live holding onboard, and ghost fishing. The implications of fish welfare for product quality and safety were also reviewed. The study estimated the dimensions of the global fisheries in which fish welfare could be compromised. Options for possible mitigation measures were identified and limitations of each described, including possible regulatory approaches and voluntary certification of high welfare fisheries, and set these issues in the context of international trade.

Sierra Leone 2019

World Bank financed evaluation and dissemination of improved fish smoking technologies for small scale fisheries in West Africa. Reviewed current fish smoking kiln designs and identified pilot community (Tombo in Sierra Leone). In collaboration with Ministry of Fisheries and village stakeholder groups, established kiln survey, and socioeconomic survey of the village. Designed a fish smoking monitoring system (for different kiln types – Ahotor, traditional, Altona and chorkor - measuring yields, wood type, smoke temperature, water activity PAH etc) and pilot tested data collection in the field. Recruited a specialised constructor from Ghana and built an improved fish smoking kiln (Ahotor) in Tombo. Trained seven local constructors/fabricators in the design and construction methods. Developed construction manual.

Seychelles 2018

Ex-post evaluation of the EU-Seychelles FPA and ex ante of a future agreement; led a team assessing the impacts of the Agreement (>€30m 2014-2020); Undertook consultation with Seychelles, EU and fishery sector stakeholders; assessed compliance with regional fisheries management measures; prepared financial, economic and socio-economic analysis, application of EU evaluation framework; assessed coherence with EU fisheries, sanitary, trade and development policies; prepared reports and presented to DG MARE in Brussels.

Myanmar, 2018

DANIDA Sustainable Coastal Fisheries Project: Consultancy in food safety, hygiene, and quality; application of ice, preservation, and cooling technology. Worked with a team of national and international consultants, supporting the Department of Fisheries in design and implementation of a pilot programme of capacity building (training of trainers, delivery of training) for regional fisheries official and 13 fishing communities in improving quality and sanitary conditions for handling and processing of fishery products for national, regional and international markets. Designed and implemented a rapid assessment method for identifying development needs in small scale post-harvest fishery sector, including development of infrastructure, technology transfer (drying and smoking), capacity building.

Ukraine, 2018

With FAO, assessed the status of official controls for sanitary conditions of fishery and aquaculture products in the Ukraine. Developed a manual for fish inspection, setting out international requirements, hazards, control options and inspection procedures for veterinary inspectors from the State Service for Food safety. Designed and delivered training course in Kyiv, including practical inspection of fishery product establishments.

Zambia, 2018

With FAO reviewed the national aquaculture sector and identified problems limiting its growth and competitiveness. examined the potential for enhancing the productivity and profitability of small and medium-scale emergent farmers and in collaboration with the Ministry of Agriculture designed a series of intervention activities under a future EDF 11 Project. Preparation of the final intervention design and presented the findings at a stakeholder workshop.

East Africa, 2017

EAC TRUE-FISH Aquaculture Development Project; For EU Delegation in Tanzania designed the "EDF 11 Support to Promoting Aquaculture in the EAC" project under the EDF (MEUR 10.25) –Undertook field mission undertook data collection and stakeholders' consultations in Tanzania, Uganda and Kenya. Prepared Aide Memoire for a project focusing on training, investment promotion measures and sustainable management for commercial aquaculture development. Preparation of the Action Document, and assisted in the identification of suitable implementation partners, followed by a final formulation mission and validation workshop attended by regional stakeholders in Arusha in May 2018. Consultations with potential implementation partners (FAO and Worldfish) and supported their identification and integration within the project structures. Subsequently designed detailed FAO and Worldfish Components. Specific work packages were designed and structured within an overall work programme. A detailed Log Frame was presented with objectively verifiable indicators. Project formulation finalised in the form of a Project Document to provide the basis for inter-agency Agreements for the delivery of the services. Project budgets were prepared, including detailed budget for year 1 and annual breakdowns for following years, based on the agreed workplans.

Egypt, 2017

US Soyabean Export Council; conducted value chain analysis of the Egyptian aquaculture sector and prepare a detailed diagnostic study and recommendations to strengthen the marketing system. This reviewed the institutional and legal framework for commerce and international trade, assessment of existing handling, processing and cold chain facilities and practice. Detailed consultations were held with aquaculture, feedmill and export sectors, with a view to assessing the potential and interest in investment in new processing and cold-chain infrastructure. Identified equipment and suppliers, and prepared outline investment appraisals ion recommended investments. Results were presented at a workshop in Cairo, and regional conference in Amman, Jordan, and discussions held on business planning with potential investors.

Pakistan, 2017

Design of component of World Bank project concerning value addition and Sanitary and Phytosanitary controls, as a preliminary to a Project Loan to the Government of Sindh. Met with provincial and federal governments, private sector and NGO stakeholders in Karachi, Lahore and Islamabad, and reviewed the value chain for products from inland and marine capture fisheries and from shrimp and inland aquaculture. Port facilities in Karachi and Korangi and processing capacities were reviewed, along with the marketing system for fresh and processed fishery products. Sanitary conditions were assessed, including compliance with international standards. Risks in relation to aquatic animal health were also considered. Recommendations were made for inclusion in a fishery sector action plan in relation to value addition for farmed fish, improved sanitary conditions in the supply chain and strengthening official SPS controls in line with Codex and OIE standards.

World Wide, 2017-2021

With F&S Sarl (FR) Poseidon Aquatic Resource Management (UK), Megapesca implemented a framework contract for evaluations, impact analyses and monitoring services in the context of the Sustainable Fisheries Partnership Agreements (SFPAs) concluded between the Community and non-member coastal states and the external strand of the Common Fisheries Policy (CFP). The services included development of evaluation methodologies in line with the EU evaluation framework and implementation of ex-post and ex-ante evaluations of the EUs Fisheries Partnership Agreements with third countries. The consortium also delivered socio-economic impact assessments, assessed impact of the Agreements on stocks of UNCLOS Annex 1 species and other stocks accessed by EU vessels, and undertook a horizontal policy study focusing on overall impacts and FPA coherence with EU fisheries, trade and development policies. Fifteen contracts were launched over the period addressing FPAs in Morocco, Côte d'Ivoire, São Tomé & Príncipe, Cabo Verde, Madagascar, Gambia, Mauritania, Seychelles, Senegal, Greenland, Cook Islands, Liberia, Guinéé, and Mauritius. Field missions were launched to all countries, and consultations held with EU and third country stakeholders, Member States and DG MARE of the European Commission. An overall evaluation of SFPAs was also conducted.

Azerbaijan, 2017-2019

Strengthening the institutional capacity of the government of Azerbaijan for official control of food and feed safety; a Megapesca team delivered a programme of technical assistance and capacity building to the Government of Azerbaijan, with a view to supporting the establishment of the Azerbaijan Food Safety Agency in early 2018. The assistance included policy support, legal drafting in the preparation of the charter of the new Agency, legal advice on the drafting of a new Law on Food Safety and the design of an action plan for the development of the food safety system from 2018 to 2025. In addition, the project developed a programme of awareness raising and capacity building including the design of a national food safety website, a study tour to the EU, delivery of in-depth training to new managers of the Food Safety Agency, the organisation of an International Food Safety Conference and delivery of dissemination workshops to key stakeholder groups.

EU/Bahamas, 2016

Technical assistance to support the preparation and organization of the 5th meeting of ACP ministers in-charge of fisheries and aquaculture to be held from 18 to 21 September 2017 in the Bahamas; technical assistance to the ACP Secretariat in the preparation of the proposed 5th Meeting of ACP Ministers in charge of fisheries and aquaculture, held in the Bahamas on 18-21 September 2017. The support included a survey and review of the state of play of the implementation of the Strategic Action Plan for Fisheries and Aquaculture, which was adopted by ACP Ministers in charge of Fisheries and Aquaculture in Nadi, Fiji in 2012. It also involved the development of four issues papers providing analyses of key challenges, lessons learnt and identifying priority concrete actions for consideration by the Ministerial meeting, covering the topics of the Blue Economy, Advancing the fight against IUU fishing, Effective fisheries management and Small-scale fisheries. The consultants assisted in the identification of keynote speakers for the Conference, and attended and prepared the minutes.

Caribbean, 2016

Study of the costs and benefits of investments in Sanitary and Phytosanitary Measures (SPS) in the Caribbean region. The study included data collection from stakeholders and development of SPS case studies in five CARIFORUM countries: Barbados, Jamaica, St Lucia, Suriname and Trinidad and Tobago. Statistical data were analysed to identify the specific costs and benefits of compliance and non-compliance with SPS requirements and the effect on market access and on the livelihood of

stakeholders. Using a modelling approach, the consultants identified the cost benefit ratio of upgrading SPS controls in public and private sector operators, and extrapolated the results to regional trade, developing multipliers to guide investment in future.

Caribbean, 2016

Capacity Building of regulatory and industry stakeholders in Aquaculture and Fisheries Health and Food Safety to meet the SPS requirements of international trade. Developed a series of eight operator manuals on different aspects of food safety for international trade, including Inspection and Official Control, Food Safety Hazards in Caribbean Fishery Products, Laboratory Testing and Quality Assurance, Traceability Systems. Designed and delivered training courses based on the manuals to 30 food safety and fisheries professionals in a short course held in Saint Vincent and the Grenadines in November and December 2016. Thirty hours of training videos were recorded, edited and prepared for later use by the client.

Tanzania, 2016

On behalf of the Danish Embassy to Tanzania, undertook a baseline study of the fisheries sector to assess the current challenges and opportunities for investment fisheries in marine and inland fisheries as well as aquaculture.

Uganda, 2016

Assisted the EU Delegation in Uganda and the European Commission to draft an action document for the project the "EDF 11 Support to Promoting Commercial Aquaculture project in Uganda " under the Multiannual Indication Program (MIP) 2014-2020 for the Government of Uganda and EU Delegation. Reviewed commercial Aquaculture activities and formulated an intervention project based on the aquaparks concept. Hosted a validation workshop to refine the proposed project. A detailed action document was drafted line with the approved Project Identification Fiche, along with the Technical Administrative Provisions (TAPs) and all their annexes for consideration by the EDF financing Committee.

Nigeria, 2015

Working with FAO, led a team advising the Government of Nigeria on the reform of the national food safety systems. The consultants conducted an assessment of existing institutional framework for the food control system, identifying strengths and gaps in the system, provided recommendations for addressing weaknesses, ensuring entire and relevant coverage of the entire food chain and effectiveness of coordination mechanisms. They advised the Ministry of Health and provided support to a National Food Safety Management Committee with delivery of training in international standards for food safety, and designed and delivered a series of training workshops in food safety control for food safety professionals from the food industry and from official control bodies on risk analysis as a supporting framework for food control decision making, CODEX standards and national food safety regulation and standards, GHP/HACCP in food industries and inspectors at Federal and State level. The consultants drafted a new food safety bill and held substantive stakeholder consultation and sensitisation exercises in different regions of the country. The Bill was revised and presented to Ministers for subsequent adoption.

Pacific Region, 2015

On behalf of the Forum Fisheries Agency, Solomon Islands, undertook a study of 10 Small Island Developing States to assess the feasibility of establishing a regional support unit for competent authorities for the certification of fishery products for export to the EU. Consulted with fishery sector and government stakeholders (responsible for management of fisheries, food safety, and trade) in Marshall Islands, Cook Islands, Tuvalu, Micronesia, Fiji and Tonga. Specified structure and functions of a proposed Regional CA Support Unit to perform vessel inspections and control and arrange sampling and testing to meet certification requirements of EU and other export markets, considering integration of sanitary and IUU catch certification systems. Estimated human and financial resource requirements and proposed options for finance. Presented the proposal to the European Commission (FVO, DG Santé) and for a subsequent decision by the FFA.

European Parliament, 2014

Study on Pelagic Fisheries and the Canning Industry in the Outermost Regions, assessed the resource exploitation and its socioeconomic impacts, with special reference to the canning industry. Reviewed tuna and other large pelagic fisheries resource conditions and management arrangements in Indian and Atlantic Oceans. Identified nature, extent and dimensions of fish processing activities and determined links to processing. Identified opportunities and threats, in particular related to sustainability, and developed recommendations regarding longer term support measures by the EU. Delivered presentation to a plenary session of the European Parliament Fisheries Committee. http://www.europarl.europa.eu/RegData/etudes/STUD/2015/563378/IPOL_STU%282015%29563378_EN.pdf

Ghana, 2014

Megapesca implemented the Value Added component of the West African Regional Fisheries Programme in Ghana, advising the Fisheries Commission on detailed design and implementation of the value added pillar of the national fisheries policy. The consultant guided the investment of US\$10.5 million in infrastructure and facilities at 13 fish landing sites, including baseline socio-economic studies, site design community consultation, and project management. Also supported strengthening the role of the Fisheries Commission in delivering food safety controls on fishing vessels, and at landing sites and aquaculture farms. Supported the development of an electronic import and landing control and traceability system for fishery products, to support sanitary and IUU catch certification for export to the EU. Designed and delivered training programmes for inspectors, with a view to training of trainers and facilitated the establishment of a national association of fish processors and traders. Developed fisheries dependency methodology as a basis for infrastructure investment decision making and advised on procedures for site selection and feasibility studies.

Egypt, 2013

Working with Worldfish, funded by Swiss Development Corporation, assessed the development and status of marine and freshwater aquaculture in Egypt through meetings with officials, business operators, NGOs and donors. Reviewed legislation concerning access to land and water resources for aquaculture, and system of permits. Quantified food security and economic contributions of aquaculture (principally tilapia). Analysed economics, operational features and sustainability of hatchery versus wild fry supplies for marine aquaculture (mullet, seabass and bream) and use of marine "trash fish" as feed; reviewed sanitary and phytosanitary controls (in particular residue monitoring requirement for EU market access, and need for regulations on fish disease controls). Undertook an evaluation of the performance of sector organisations (cooperative and associations) in

relation to sector representation, provision of services to members and generic marketing. Proposed range of updated development, trade and SPS policy measures for improved market penetration to be implemented by Government, industry sector organisations and donors. See: <http://www.worldfishcenter.org/content/institutional-policy-and-regulatory-framework-sustainable-development-egyptian-aquaculture>

Colombia, 2013

Project identification mission on behalf of UNIDO. Proposed design of an intervention project to address the updated needs of the Colombian aquaculture sector (freshwater, marine and shrimp, with a focus on the latter) following impact of disease and structural economic changes. Assessed current policy legal and institutional framework. Evaluated macro-economic constraints on exports of shrimp. Assessed strategic options for development policy for aquaculture, with a focus on small scale extensive operations. Developed proposals for intervention to support fish disease surveillance, strengthened controls on imported juveniles/broodstock, capacity building for fish farmers associations to deliver services to members (training and business planning) and development of quality certification (organic, good aquaculture practices etc).

Malawi, 2012

Working with the EU ACP FISH II Project and Department of Fisheries, updated Draft Fisheries and Aquaculture Bill and capacity for enforcement. Developed recommendations for subsidiary legislation (dealing with fisheries management and control, food safety conditions and aquaculture) and hosted national workshop attended by senior policy decision makers and sector representatives.

New Caledonia, French Polynesia, 2012

Mid-term evaluation of a EUR3.6 million EU-funded intervention project to support the development of pearl culture in the French Polynesia, and the marketing of the resulting production. Two consultants (an economist specialised in evaluation in small scale fisheries, and an aquaculture production specialist) reviewed project activities, and conducted field missions to Tahiti and key production sites in French Polynesia. Meetings were held with project team members, and institutional and fishery sector stakeholders, including small scale pearl culture operators. Evaluation findings were prepared in line with the EU evaluation framework.

Indian Ocean Region, 2012

Mid Term Evaluation of the SmartFish programme (Phase I) and Formulation of a second phase, a EUR21 million regional EU intervention project to support strengthening of fisheries sector management in the Indian Ocean region, implemented by the Indian Ocean Commission. Prepared project identification and project feasibility studies for a Phase II. A team of 3 consultants (fisheries economics, MCS and trade specialists) visited a selection of participation countries (Burundi, Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Malawi, Mauritius, Republic of Congo, Rwanda, Seychelles, Somalia, Sudan, South Sudan, Swaziland, Tanzania, Uganda and Zambia) to meet with stakeholders and identify key achievements. Meetings were also held with regional organisational stakeholders (IOTC and SWIOFC) as well as key intervention projects operating in the region. Evaluation findings were prepared in line with the EU evaluation framework. Recommendations including a draft project fiche for Phase II were prepared and presented to the EU delegation in Mauritius.

Liberia, 2012

Working with the EU ACP Fish II Project, a team of two consultants undertook a training needs assessment for female fish processors and traders in the small -scale fishery sector of Liberia; design and delivery of training manuals and training the trainers course in fish handling, hygiene and business management. Holding of one week training workshop for trainers from all coastal counties. The team provided advice and policy support to the Bureau of National Fisheries on a dissemination strategy for improved conditions for small scale businesses in the fishery sector.

Azores and Madeira, 2012

On behalf of DG MARE, undertook a multi-disciplinary assessment of the social, economic and environmental impacts of the POSEI subsidy scheme, which compensates fishery sector operators for the additional costs to the remoteness of outermost regions of the EU. Interviewed institutional and private sector operators, surveyed fisheries management regime, assessed levels of compensation and impacts on value added in participating enterprises and at sector level. Reviewed implementation and administrative arrangements by the Government of Portugal. Assessed costs and benefits of the scheme and presented evaluation findings in terms of relevance, effectiveness, efficiency and coherence.

Algérie, 2011

Mission d'identification et de formulation du programme d'appui à la diversification de l'économie – Secteur Pêche et Aquaculture, project identification and project feasibility studies in respect of an intervention approach to help improved management of coastal fishery resources in Algeria. A team of experts in fisheries management, aquaculture, fisheries management and trade reviewed current strengths and weaknesses of the sector, prepared a problem and objective tree and outlined an intervention approach. This was presented to and discussed with stakeholders in coastal communities, followed by detailed design and costing of a EUR30 million intervention, using the logical framework approach to project life cycle management. The main objective of the intervention was to achieve sustainable exploitation of the marine and coastal fishery resources. The outputs included project identification fiche and report, and draft financing agreement and intervention Terms of Reference.

Greenland, 2010

Multi-disciplinary ex-post evaluation of the EU's Fisheries Partnership Agreement with Greenland, on behalf of the European Commission DG FISH. Assessed economic, financial, environmental and fishery resource impacts of the Agreement, as well as the impact of a budgetary support programme for implementation of Greenland's fisheries sector policy. Undertook mission to Greenland for data collection from stakeholders. Interviewed EU fleet stakeholders and assessed economic yields to EU fleet and third country interests. Assessed efficiency, effectiveness, relevance and coherence of the Agreements in relation to the EU fisheries, trade and development policies. Developed renewal scenarios and assessed the potential future impacts of each and prepared an ex-ante evaluation and identified issues for consideration by the parties in renewal negotiations for future fisheries agreements.

Croatia 2010

EU Framework project to Assist Directorate of Fisheries in Establishing a Data Collection Framework in Line with the Relevant EU Acquis. Review economic, social and biological fisheries data collection

procedures, identified key gaps and adjustments to be addressed to comply with EU regulations for fisheries data, defined sources, and methodologies for obtaining and presenting social, economic and other relevant data, data quality considerations and prepared draft multi-annual national programme for the collection, management and use of fisheries data, a and workshop validation with key stakeholders. Advised on implementation plans for the national programme.

Tristan da Cunha 2010-2014

Advised the Fisheries Department and UK Foreign and Commonwealth Office on the development of official controls for fishery exports to the EU. Work included development of a MoU for certification with the S.African CA, finalisation of legislation, organisation and recording of inspections, sampling and testing in accredited laboratories, liaison with and preparation of submission to the DG SANCO, responding to queries. Approval of the Commission was granted in July 2013. Subsequently supported the development of an EU catch certification scheme in line with the EU's IUU fishing regulation 1005/2007. Prepared documents for flag state notification and advised on the system design for certification and verification. Guided inspection and certification of the first consignments.

EU / Black Sea, 2009-2014

Consortium member in EU 5th Framework Research Project: "Knowledge-based Sustainable Management for Europe's Seas" (KnowSeas) definition, assessment and quantification of ecosystem services to the fishery sector and contributed to the development of a scientifically based suite of tools to assist policy makers and regulators with the practical application of the Ecosystem Approach. The project outputs helped Member State stakeholders to meet the requirements of "good environmental status" as required by the Marine Strategy Framework Directive (adopted in June 2008) with a special focus on Black Sea Fisheries. Papers prepared were published in the Journal "Ecology and Society" in 2014

Vietnam 2009

DANIDA FSPSII programme. Drafting regulations for fish product coding, traceability and product recall in Vietnam. Advised the National Fisheries Quality Assurance Directorate of the Ministry of Agriculture and Rural Development on the design, structure and content of a mandatory regulation for traceability of capture fishery and aquaculture products throughout the supply chain, including input supplies such as hatchery inputs, feeds and seed. Undertook detailed study on supply chain structures for small scale tiger shrimp and *Pangasius* aquaculture, reviewed existing voluntary traceability measures, drafted new legislation, presented two workshops and advised on a national consultation exercise. Revised draft legislation and managed the legal translations.

ACP Countries, 2009/2010

Strengthening Fishery Product Health Conditions in ACP/OCT Countries. Implementation of a five-year programme financed by the European Development Fund on behalf of the ACP countries and the OCT (Overseas Territories and Countries). The aim of the programme was to improve the sanitary conditions for fishery products as food for human consumption so as to increase the income of those countries by developing trade and optimal use of available resources. The project supports competent authorities, testing laboratories, the fish industry and small-scale fisheries. Megapesca was a member of consortia responsible for implementing activities under Module 1: Support to Competent Authorities, Module 2 – Strengthening Fishery Laboratories and Technical Institutes, and Module 4:

Strengthening Fishery Laboratories and Technical Institutes of the programme. Activities delivered by Megapesca Consultants operating under the contract include:

- CAPE VERDE: January 2010: LTI026CPV: Assessing the needs of the laborator(ies) and testing services used by the Competent Authority, and to assist them following FVO mission of January 09
- GUYANA: March 2010: LTI051GUY: Chemical analysis training in heavy metals and histamines
- GUYANA: August 2010: LTI062GUY: Training in Laboratory Equipment Maintenance and Repairs
- BENIN: April 2010: LTI068BEN: Mission to Benin aimed at assessing the need and the support required by laboratories following the FVO mission undertaken in June 2009 and clarification of procedures for the reception of equipment supplied by SFP
- GENERAL: March 2010: LTI069GEN: Laboratory Equipment Procurement Tenders –Technical Evaluation and Assessment
- GENERAL: March 2010: LTI074GEN: Laboratory Equipment Procurement Tenders –Technical Evaluation and Assessment
- CAPE VERDE: July 2010: LTI080CPV: Mission to Cape Verde to up-grade management competencies and microbiological testing services of the Laboratory used by the Competent Authority
- CAPE VERDE: July 2010: LTI081CPV: mission to Cape Verde to up-grade the management competences and chemical testing services of the Official Laboratory for fisheries products used by the Competent Authority
- BENIN: July 2010: LTI083BEN: Mission to train fishery inspectors in sensory evaluation, training laboratory technicians in metrology and to bring about relevant changes to the agreement contract between the Competent Authority and the contracted laboratories, , and to evaluate complementary equipment needs.
- TANZANIA: September 2010: LTI093TZA: Assistance in Laboratory Equipment Installation, Maintenance and Repair
- SAO TOME AND PRINCIPE: LTI1091STP: Technical assessment mission to Sao Tome and Principe to determine the status and needs of laboratories and analysis used by the Competent Authority.
- ST. VINCENT AND THE GRENADINES: LTI103VCT Assistance to identify and establish laboratory services for the purpose of official control of fisheries products for export to EU
- GENERAL: September 2010: LTI104GEN: Country profiles (Fiches) for Sao Tome and Guinea Bissau
- GENERAL: October 2010: LTI109GEN: Laboratory Manual Translations
- MOZAMBIQUE: April 2009: CA005MOZ Phase 1: Strengthening of the Mozambique CA control system of fish supplies from small-scale fisheries
- MOZAMBIQUE: August 2009: CA005MOZ Phase 2: Strengthening of the Mozambique CA control system of fish supplies from small-scale fisheries
- IVORY COAST: February 2009: CA010CIV: Mission for evaluation and definition of an action plan

- GUINEA: May 2009: CA012GIN : Mission for evaluation and definition of an action plan
- GHANA: January 2010: CA017 GHA: Strengthening the inspection and certification capacity of the Ghana Competent Authority
- GHANA: June 2010: CA018 GHA Support for strengthening upstream controls for food safety conditions in fisheries and aquaculture in Ghana
- IVORY COAST: June 2009: CA021CIV : Suivi de l'assistance technique et formation par le programme SFP de l'Autorité Compétente de Côte d'Ivoire
- GUYANA: November 2009: CA030GUY: Updating of CA Inspection Manual and Training of Fishery Inspectors in Guyana
- GENERAL: August 2010: CA039GEN: Review fishery status and prospective Module 1 interventions in Anglophone SFP beneficiary ACP states/OCTs
- MALAWI August 2009: CA042MWI: Identification of fishery products food safety issues and determination of a plan of action for inspection and certification of fishery products for export
- IVORY COAST: November 2009: CA049CIV: Formation des inspecteurs du SAC affectés à l'inspection des bateaux, embarcations et sites de débarquement
- GENERAL: January 2010: CA050GEN: Review of European and ACP training opportunities relevant to the needs of Competent Authorities in SFP beneficiary ACP/ OCT states
- SENEGAL: January 2010: CA055SEN: Formation des inspecteurs régionaux de l'Autorité Compétente du Sénégal
- SENEGAL : March 2010: CA070SEN : Formation sur site des agents de la DPM du Sénégal Direction des Pêches Maritimes
- GENERAL: June 2010: CA073GEN: Revision and updating of the SFP Inspection Manual and Field Guide
- GUYANA: September 2010: CA075GUY: Developing of aquaculture and other food safety legislation and review of inspection procedures in Guyana
- NAMIBIA: June 2010: CA076NAM: Support to the Namibian Standards Board in relation to procedures for official controls and implementation of FVO inspection action plan
- GHANA: September 2010: CA088GHA: Strengthening procedures for control of non-compliance in the Ghana fishery and aquaculture product inspection system
- GENERAL: September 2010: CA091GEN: Country profiles and fishery product hygiene/ food safety situation analysis in selected SF beneficiary ACP states and OCTs – Ghana and St. Helena/ Tristan da Cunha
- GENERAL: October 2010: CA094GEN: Country profiles and fishery product hygiene/ food safety situation analysis in selected SF beneficiary ACP states and OCTs –Côte d'Ivoire, Madagascar et l'île Maurice
- DJIBOUTI : August 2009: ART003DJI: Evaluation of the Sanitary Conditions in the artisanal fisheries sector in the Republic of Djibouti and propositions for future interventions.
- IVORY COAST : December 2009: ART004CIV : Evaluation of the Sanitary Conditions in the artisanal fisheries sector in Ivory Coast and propositions for future interventions.
- GABON : October 2009: ART005GAB: Evaluation of the Sanitary Conditions in the artisanal fisheries sector in Gabon and propositions for future interventions

- MOZAMBIQUE: November 2009: ART012MOZ : Strategy for putting in place a system of traceability for fisheries products destined for export and identification of future needs for the reinforcement of marketing conditions
- GENERAL: ART026GEN: January 2010: Guidelines and template for a small-scale fishery business
- GABON : January 2010: ART029GAB: Making didactic tools and organising of hands-on training for professionals in the artisanal fisheries sector in Gabon in Good Practical Hygiene on board fishing vessels at the time of the unloading.
- MAURITIUS: March 2010: ART035MUS: Management and Equitable and Durable Exploitation of Coastal Fishing vessels, except lagoons, in the Islands of Maurice and Rodrigues
- CAPE VERDE: May 2010: ART040CPV : Adoption d'un plan d'action prenant en compte les conditions actuelles du secteur de pêche artisanale au Cap Vert
- ANGOLA : September 2010: ART049AGO: Adoption of an action plan taking of account current conditions of the artisanal fishing sector in Angola
- ANGOLA, CAPE VERDE, DJIBOUTI, GABON, MOZAMBIQUE: October 2010: ART053GEN: Profiles of the countries and hygiene of the fishery products/analysis of the security conditions of the foodstuffs in the following ACP countries: Angola, Cape Verde, Djibouti, Gabon, Mozambique.

EU, DG MARE 2008

Analysis of impacts on developing countries of the proposed IUU fishing regulation, and identification of measures needed to implement the regulation. Implemented a major study of the impacts and implementation requirements for less developed third countries of the catch certification system required under EC Regulation 1005/2008 on illegal unregulated and unreported fishing. Coordinated case studies undertaken by team members in Ecuador, Mauritania, Mauritius and Senegal, and undertook field missions in Namibia, Thailand and Indonesia. Assessed capacity for implementation of catch certification by third country institutions; reviewed existing certification systems for origin, sanitary and RFMOs. Identified potential implementation problems (small scale fisheries, indirect exports), undertook a quantitative cost-benefit analysis of the potential impacts of the trade measures and recommended support measures for implementation by the Commission.

Pakistan 2008

“Facilitating Pakistan’s Capacity to Integrate into Global Trade”; Working with UNIDO and EU Delegation undertook formulation of the EC funded Trade Related Technical Assistance (TRTA II) programme on trade capacity building initiatives in Pakistan incorporating SPS capacity development and management strategies. Project elements designed included development of SPS legal framework and organisation structure, training of SPS managers and inspectors, introduction of risk assessment procedures and support for laboratory accreditation. The expert made specific recommendations regarding the design of the SPS control system to ensure that exported products meet the requirements of the EU Hygiene package, and in particular addressed the challenge of creating a regional inspection presence coordinated by a newly created Central Competent Authority – the National Animal & Plant Health Inspection Services and restructuring national testing laboratory provision.

Yemen, 2008

Working with the UN International Trade Centre, advised the Yemeni Seafood Exporters Association on the project “Improved capacity for ensuring quality and safety of Yemeni Seafood products” funded by the Standards and Trade Development Facility of the WTO. In four inputs over a period 1.5 years, developed a risk assessment and hazards guide for QC staff in industry and Ministry of Fish Wealth Inspectors, prepared a series of three voluntary codes of practice for the fishery sector (covering vessels, landing sites and processing establishments), advised on the launch of a new YSEA Quality Mark approved supplier scheme based on the new codes, supported YSEA in promoting a rational national SPS strategy (with focus on regulation of export quality in the supply chain), including a Ministerial level workshop, and advised the MFW on new EU compliant legislation. Contributed to the establishing of YSEA as a credible stakeholder organisation able to influence fisheries and trade policy.

EU, 2007 – 2008

Elaboration of a Guide on designing and implementing measures to promote transparency and address corruption in inspection services. Developed a multilingual guide on designing and implementing measures to promote transparency and address corruption in food safety controls in the fishery sector, aimed at Competent Authority. Produced training materials for the presentation and diffusion of the guide.

Sierra Leone and Liberia, 2007

Undertook an Exelante evaluation of existing conditions in the fisheries sector of Sierra Leone and Liberia with a view to concluding a fisheries agreement (Fisheries Partnership Agreement) between the European commission on behalf of EU Member states and Sierra Leone, and between the European commission on behalf of EU Member states and Liberia.

Norway, Iceland, Faroe Islands 2007

On behalf of the European Commission DG MARE, undertook an evaluation of the fisheries agreements between the EU and Norway, the Faroe Islands and and Iceland, and analysis of the impact of the outcome of future consultations on sustainability.

Europe / Indonesia / Kenya / Ecuador / Namibia / Kenya 2007

On behalf of the European Commission, undertook a study of the Preferential Rules of Origin for fishery products in trade agreements, evaluating options for new rules in the fishery sector **relating to** crew requirements and degree of processing.

São Tomé e Príncipe, 2007

A Megapesca team reviewed and assessed the status of Fishery Products Sanitary Controls in São Tomé e Príncipe as a basis for strengthening health conditions for fish as food, and for generating a sustainable system of official controls for fishery production.

Mauritius, 2007

Assistance and support to the quality control laboratories in Mauritius to improve the performance and reliability of test results in preparation for accreditation against ISO 17025 standard. Material and

equipment were specified for procurement and laboratory personnel were trained in laboratory QA methods.

Europe, 2007

Analysis of the trade impacts of German proposals to list two species of shark (porbeagle *Lamna nasus* and spiny dogfish *Squalus acanthias*) in Appendix II of the CITES convention.

Worldwide, 2007 – 2010

Megapesca Lda (with Poseidon and Oceanic Development) ran a Framework Contract under DG MARE performing evaluations, impact analyses and monitoring services in the context of the external strand of the EU's Common Fisheries Policy. This €3,500,000 contract included ex ante and ex post evaluations of the EU's Fisheries Partnership Agreements with third countries, with all contracts managed by a Brussels-based framework contract manager.

Malaysia, 2007

Upgrading the capabilities of the Competent Authorities and fish facilities in Malaysia of meeting EU fisheries requirements. A Megapesca specialist provided technical assistance and training to improve the inspection and auditing services to meet the requirements of importing countries.

Mauritius, 2006

Training and advice to the sanitary Competent Authority in Mauritius to support strengthening of sanitary controls of fishery products exported to the EU.

Azores, 2006 – 2007

Fish Consumption in the Azores. Detailed survey and analysis of results in the islands to gain an detailed insight into Fish consumption in the Azores.

Marshall Islands, Micronesia, Papua New Guinea, Solomon Islands and Vanuatu 2006

Assessment of Fishery Products Sanitary Conditions in the Pacific Region comprising Marshall Islands, Micronesia, Papua New Guinea, Solomon Islands and Vanuatu. Megapesca provided the team to review and assess the current capacities of Pacific for sanitary controls for the export of fisheries products to the world market, particularly to the EU.

Georgia, 2006

Support to Reforms in the area of Food Safety and Animal Health. Policy and strategic advice to the Government of Georgia in establishing structures, practices and legislation to implement an a new food law.

Seychelles, 2006

Preparation of a Tuna Data Collection Field Manual for the Indian Ocean Tuna Commission (IOTC) in the context of the OFCF-IOTC project, with a view to enhancing data collection and processing concerning tuna resources in the Indian Ocean. The Manual addressed sampling design, catch/effort estimation, biological sampling, other auxiliary scientific data, database design and data processing and dissemination.

Angola, Namibia, Mozambique, South Africa and Tanzania 2006

Ex-post evaluation of the EDF-funded project SADC Regional Monitoring Control and Surveillance of Fisheries Activities Programme. The project assessed the goals achieved by the project, in strengthening the fisheries MCS activities of five southern African countries (Angola, Namibia, Mozambique, South Africa and Tanzania).

Uganda 2006

EU funded study investigating the potential for aquaculture development in Uganda. The project estimated future demand for aquaculture fish within the region, and conducted a survey of fish farmers, fish processors and input suppliers in order to identify the constraints they face. The projects assessed the institutional framework for aquaculture development in terms of organisation, licensing and regulatory issues (including meeting international standards), mechanisms for public support and proposed a sectoral development strategy and action plan, presented at a stakeholders workshop in Kampala.

Mozambique, Namibia, Tanzania, Zambia, Angola and Malawi 2006

Mid-term evaluation of INFOSA a project (NORAD financed) to assist small scale fisheries integration with regional and international trade. The evaluation assessed individual interventions, lessons learnt and the established mechanisms and their potential impact on policies and strategies to reduce poverty and strengthen the fisher folk's livelihoods in the SADC region.

Russia 2006 – 2007

Assisted the fisheries administrations in Kaliningrad and other Oblasts of the Russian Federation to undertake a strategic review of the fishery sector, with a view to recommending regional development policies and public measures to support structural adjustment, and dissemination of the results. Reviewed marine fisheries, aquaculture, fish processing and marketing (including export marketing), and prepared a detailed SWOT analysis for each of the Kaliningrad, Pskov and Arkhangelsk Oblasts, and the Karelian Republic. Associated training courses for public officials and private industry were designed and implemented in three of the four regions.

Europe 2006

On behalf of DG MARE of the European Commission, Megapesca provided an analysis of the impacts 1982 United Nations Convention on the Law of the Sea, with particular reference to fisheries management and to the European Community (EC). The study provided a brief synopsis of the Convention, and a detailed analysis of its impacts on the EU distant water fleet, and the external provisions of the Common Fisheries Policy.

Europe 2005 – 2006

On behalf DG DEV undertook a feasibility study of an all ACP intervention project to support SPS implementation in ACP countries to assist meeting emerging EU and WTO requirements in relation to food safety, animal and plant health. In close collaboration with ACP secretariat and the EU commission (DG AIDCO and SANCO) assessed the need for intervention in ACP countries (including field mission to Uganda), and designed intervention using logical framework approach. Held stakeholder workshop in Brussels, attended by ACP representatives and Commission Services.

Georgia 2005 – 2006

Support for reforms in the area of food safety and animal health. Under the EU Food Security Programme, delivered technical assistance to the Ministry of Agriculture in approximation of legislation, development of relevant policies and new organisations structures, including establishment of new food safety, veterinary and plant protection service. Supported introduction of a new framework food law, review of veterinary legislation, feasibility study on animal numbering system, re-structuring of border controls, development of an inspector training programme and upgrading of the phytosanitary control system.

Croatia 2005 – 2006

Food Safety Component: Agricultural Acquis Cohesion Project: Advised the Croatian Food Agency on the development of food safety risk assessment procedures, design of staff training programme, development of food safety information system (including harmonization with the EU's rapid alert system for feed and foods), planning of organization structure. Also produced a paper summarizing pre-accession policy options for the institutional development of the food safety area, including a re-allocation of Ministerial responsibilities.

Kosovo 2005

Development of the Agricultural Master Plan for Kosovo. Reviewed food legislation, organization and industrial capacity with a view to identifying the food safety and quality barriers to the development of an internationally competitive agro-food sector. Prepared report and delivered a seminar outlining a proposed a policy approach for the Provisional Institutions of Self Government to approximate with EU and WTO requirements.

Guinea Bissau 2005

Fisheries Partnerships Agreements: Monitoring and Evaluation. Interdisciplinary impact assessment of the EU Fisheries agreement with Guinea Bissau considering the fisheries resources effects of EU fishing, the economic benefits accruing to EU and Guinea Bissau in terms of employment, value added and supplies of fishery products to market. The mission also assessed the environmental impacts of the agreement, with special reference to the impact of long line fisheries on stocks of sharks and endangered turtle species.

Indonesia 2005 – 2006

EU Indonesia Trade Support Programme. Assisted staff in the national laboratory with selecting, installation and operation of seafood testing equipment, and training on ISO 17025 laboratory accreditation.

EU ACP 2005 -2006

Strengthening fishery products health conditions in ACP countries. Technical design and content of a generic fish inspection and quality control manual aimed at fish inspectors and competent authorities in less developed countries. The manual (produced in English, French and Portuguese) compiled EU legislation relating to food safety of fishery products, outlined requirements for third country suppliers to the EU, including organization of the Competent Authority, and provided a series of generic inspection forms to cover different types of processing establishments. The manual, along with a related field guide, was distributed to Competent Authorities in more than 40 ACP countries and has provided a basis for training supported by the SFP programme.

Guinea Bissau 2005

Technical Assistance concerning the strengthening of the fisheries law and associated regulations and the establishment of a Draft National Plan for fisheries surveillance, inspection and enforcement.

Macedonia 2005

Food Safety Policy and Planning. Working with legislation and laboratory experts, assisted the Food Directorate Ministry of Health to devise and implement a strategy and phased workplan geared towards the establishment of an EU (and WTO) compliant food and feed safety system in FYR Macedonia. Advised on policy options, prepared legal gap analysis, outlined requirements for new draft food law and regulations, held workshops on institutional reform and prepared ToRs for a 2-year EU intervention project and short term intervention for hygiene and HACCP regulations in line with the new EU hygiene package.

Indonesia 2005

Assistance to Tsunami victims on West coast of Sumatra. Assessed impacts on the fishery sector and developing and implementing systems for short-term relief and longer-term re-development programmes, based on the sustainable livelihoods approach.

Venezuela 2005

Identification mission for Fisheries Project. Project identification mission for an EU funded intervention to assist the Venezuelan Government to improve the export marketing and sanitary controls of fishery products.

Croatia 2004 – 2005

Project Preparation Mission. Advised on the preparation of a major investment project (EUR29 million) to support adoption of the agricultural *acquis communautaire* in Croatia, with specific focus on systems for harmonisation of legislation, support for the newly established Croatian Food Agency, upgrading of hygiene and HACCP conditions in industry, and improved laboratory facilities.

Vietnam 2004

Support for improvement of post-harvest handling and marketing. Fisheries Sector Programme Support, Phase II (FSPS II). Prepared the Terms of Reference for a major project to support improvement of post-harvest handling and marketing of fish in Vietnam by DANIDA.

Yemen 2004

Feasibility study and business plan for tuna cannery investment. Advised a Saudi Arabian food processing company on the feasibility of diversification into tuna canning. The study includes an assessment of the EU and USA markets for canned tuna and development of a market-led investment strategy. Raw material availability was assessed, from both imported and local sources. The consultants also prepared an outline design, specification and costing of a new tuna cannery, to be located in southern Yemen

Azores 2004 – 2005

Megapesca undertook a Study of the Unreported Fish Catches in the Azores as a basis for adjusting fish quotas and TACs. The general objective of the study was to establish corrective factors for fishery statistics to estimate overall fish catch.

Sao Tome e Principe 2004

Interdisciplinary impact assessment of the EU Fisheries agreement with São Tome, considering the fisheries resources effects of EU fishing, the economic benefits accruing to EU and São Tomé in terms of employment, value added and supplies of fishery products to market. The mission also assessed the environmental impacts of the agreement, with special reference to the impact of long line fisheries on stocks of sharks and endangered turtle species

Angola and Cape Verde 2004

Fisheries Partnerships Agreements: Monitoring and Evaluation of the impacts of the Agreements on the resources, economy, development and socioeconomic conditions of partner country and EU fishing sectors. The projects provided high level data and analysis on fisheries impacts to assist in the design of the new fisheries partnership agreements and associated monitoring activities.

Croatia 2004

Food Safety Component - Agricultural Acquis Cohesion Project: advised the Ministry of Agriculture in the design of a five-year World Bank institutional investment programme to support the adoption of the EU acquis Communautaire. Reviewed institutional arrangements for food safety, including the new Croatian Food Agency, and prepared an intervention programme with budgets to support strengthening of official control of food, risk assessment and management, as well as testing and reference laboratory provision.

Latvia 2004

Establishment of Fisheries Marketing and Information Centre: MegaPesca supported the National Board of Fisheries in the creation of an online information service for the Latvian fish industry on accession to the EU. The information needs of the industry were reviewed, and a website prepared

with content relating to international markets, EU import tariffs, hygiene and processing technology, EU regulatory changes and profiles of Latvian fisheries. The service also included a monthly newsletter to Latvian fish industry subscribers. The project assisted with the development of a detailed business plan for sustainable information services.

Georgia, 2004

A MegaPesca consultant assisted the Ministry of Agriculture to prepare an intervention project on food safety and control, for funding under the World Bank Georgia Agriculture Development Project. The project reviewed national legislation and organization for food inspection and control and terms of reference were prepared for 2-year technical assistance project for subsequent funding by the World Bank.

Fisheries Partnership Agreements: 2004 – 2007

MegaPesca, in collaboration with Oceanic Development (France) and Poseidon (UK) undertook evaluations of the EU's external Fisheries Partnership Agreements with third countries. Working closely with DG Fisheries of the European Commission and the fisheries authorities of the countries concerned, the project assessed the impact of these agreements on the resources, economy, development and socioeconomic conditions of the third country and EU fishing sectors. The project provided high level data and analysis on fisheries impacts to assist in the design of the new fisheries partnership agreements and associated monitoring activities.

Southern Africa, 2004

Mid-term review of the EU-funded project "SADC Monitoring Control and Surveillance of Fisheries Activities Programme". The project assessed the progress made on the project, identified bottlenecks and proposed changes to the funding, structure and organization of the project to improve effectiveness in strengthening the fisheries MCS activities of southern African countries (Angola, Namibia, Mozambique, South Africa, Tanzania).

Belize, 2003

Strengthening Fishery Products Health Conditions in Belize: strengthened the institutional capacity of the Belizean Competent Authority to apply international health conditions for the production and export of fishery products. The project assessed legislation, organization structure and training needs, and designed and delivered in-service training courses to fish inspectors and staff from the fish/shrimp processing and export industry. This included training in HACCP, fish handling and processing technology, fishery product health hazards and focused on transferring skills required for implementation of new inspection manuals.

Lebanon, 2003

Advised Lebanese Syndicate of Agro-Food Industries on the impact of emerging international food laws on domestic and export sectors. A consultant visited a range of Lebanese food producers, delivered tailored advice on recent developments in regulatory controls in export markets, and assessed implementation of HACCP.

Vietnam, January 2003 - February 2004

Led a Team Leader advising on the restructuring of Vietnam's leading public sector fisheries enterprise. Defined corporate missions and objectives for a new fishery sector holding company comprising 29 fisheries enterprises and 5000 employees; establish new market orientated business strategies; established new corporate structures and sound corporate governance practices and managed a programme of technical assistance and training to deliver the institutional changes required.

Yemen, October 2002

Advised on design of a US\$15 million investment in fishing harbour, vessels and processing facility in Hadramut region. Undertook feasibility study (processing, marketing and quality assurance). Drafted plans, prepared equipment and refrigeration specifications in compliance with international standards. Liaison with engineers and architects on plant design, materials and costs.

Croatia 2003

Reviewed the institutional basis for the adoption of the acquis communautaire in relation to control of food safety and quality. Scoped the establishment of a Food Safety Agency. Arranged and participated in a study tour to Swedish National Food Administration. Prepared a draft version of a new framework law for food safety and quality.

Azores, April 2002 - April 2003

Detailed study of socioeconomic aspects of the Azores fishery sector, including trends in employment and fisheries dependency.

Yemen, February 2002

Advised a Yemeni investor on options for diversification into exports of fresh fish. Identified reliable raw material supplies and advised on supply chain management system. Identified technical, human resource, training, organisational and financial needs.

Egypt, January 2002

Technical support to a marine aquaculture. Assistance was given with the design and implementation of water quality and feed management regimes for a demonstration plot for marine aquaculture.

Serbia, January 2002

Prepared technical specifications for an investment plan to extend production facilities for export of snails and frog legs to France. Addressed quality control and inspection procedures and hygienic practices.

Oman, June 2001

Technical and legislative assistance in the design and implementation of a Residue Monitoring Programme for aquaculture products, required under EU legislation to ensure access to the EU market for Omani fishery products.

Egypt, May 2001

Strategic Evaluation of the situation of mariculture in Egypt. Identified the technical conditions for investment to applied to applications for a EU financed credit fund via the Agricultural Bank of Egypt. Advised on viable investment projects and scoped technical assistance requirements to support approved investment projects.

Republic of Bulgaria, 2001

Prepared detailed measures for the fishery and aquaculture components of the National Rural Development Plan under the SAPARD Programme (pre-EU accession financial instrument). Advised the Ministry of Agriculture and Forestry on the preparation of an operational programme for structural assistance for the aquaculture and fish processing sector. Advised on the design of policy studies, analysis of data and preparation of policy options for the Minister.

Portugal, 2001

Studies and Support Services Related to the Common Fisheries Policy. "Role of Women in Fisheries." MegaPesca participated in an EU funded research study to define the nature and extent of women's involvement in the European fishery sector. Undertook field research and secondary data collection in Portugal on numbers, income, location and activity of women in fishing, processing, aquaculture and viveiros sectors.

Martinique, Guadeloupe, Guyana, La Réunion, Azores, Madeira and the Canary Islands, 2000-2001

Evaluation of the impact of certain measures adopted in favour of the fisheries sector in the outermost regions. Implemented a study of the EU support measures for the fishery sector in the outermost regions of the Union (Portuguese Islands, Canary Islands and France DOM). Assessed the extent of uptake of transport subsidies under the POSEIDOM programme and evaluated the impact of the support on the fishery sector.

United Arab Emirates, 2001

Technical assistance on meeting EU residue monitoring conditions for aquaculture products. Advised the Government of the UAE on preparation and implementation of an official control system for veterinary medicines in aquaculture. Assisted in the preparation of residue monitoring plan in accordance with EU Directive 96/23/EC; advised on laboratory systems and preparation of an annual residue monitoring report.

UK 2000

Advised clients on the technical and legal basis for contesting the rejection of a consignment of cooked and peeled shrimp at a UK border inspection post. Reviewing facts of the case, prepared detailed case notes, provided technical support to legal counsel during a judicial review, contesting the right to reject for non-compliance with microbiological standards relating to non-hazardous bacteria.

EU 2000

Technical support for review of the Common Fisheries Policy; prepared a chapter on fishery profiles of EU member States for the 2001 review of the Common Fishery Policy and associated Green Paper to be submitted by the European Commission to the Council of Ministers.

Portugal, EU, 2000

MegaPesca participated in an EU wide study to assess the costs and benefits of different methods of monitoring and controlling fisheries activity (such as sea and air patrols, and land-based inspections).

Anguilla, 2000

MegaPesca provided technical support to the Environmental Health Department in upgrading export inspection and certification procedures for fishery products in line with EU and USA requirements. New legislation was drafted, and Health Inspectors were trained in application of EU legislation and a HACCP approach to health controls for fresh and processed tuna and swordfish from a newly developed longline fishery.

Saudi Arabia, Kuwait, United Arab Emirates and Bahrain, 2000

A MegaPesca specialist advised the Governments of four Gulf countries on the steps needed to meet the requirements of EU Directive 91/493/EEC in respect of third country supplies of fishery products to the EU. In each country adequacy of legislation was assessed, and the inspection activities of the competent authority were reviewed. A report was produced for each country outlining the necessary steps to regain access to the EU market for fishery products.

Sierra Leone, 2000

MegaPesca supplied a team of three consultants to provide short-term assistance to restart functional fisheries management in the immediate period following the civil war. Surveillance over-flights were arranged to assess the extent of illegal fishing. The legislative framework was reviewed, as well as the institutional capacity for improved management. Export potential and quality control needs were defined and training needs were identified. An action plan was developed outlining steps required for short-term revenues from fishing license and exports of higher value species. Donors were defined.

The European Union, 2000

MegaPesca assisted the European Commission DG Fisheries in the evaluation of research proposals in the field of 'Quality of Life and Management of Living Resources' covering sustainable agriculture, fisheries and forestry and the integrated development of rural areas.

Europe, 1999

On behalf of DG Fisheries of the European Commission, MegaPesca undertook a study on the present knowledge of discarding practices in the European Fishing Industry. This included reviewing the results of recent EU and Member State research studies in discard measurement and technical measures for reducing unwanted catch. The report was prepared in an format accessible to non-technical readers.

Lithuania, 1999

Technical assistance was provided to the Ministries of Agriculture and Environment of Lithuania in the harmonisation of fisheries legislation with the Common Fisheries Policy, in support of that country's application for EU membership. Also designed an approach to delivery of future structural assistance under the EU SAPARD Programme and guided policy studies by local economic institutes on socioeconomic aspects of fisheries. Advised on an Operational Programme for structural adjustment in fish processing and marketing.

Latvia, 1999

MegaPesca was commissioned to provide technical assistance to the National Board of Fisheries in the harmonisation of fisheries legislation. An initial screening of fisheries law was conducted, and new legislative models proposed and drafted for market organisation, producer organisations and structural assistance, especially in relation to development of a policy framework for pre-accession structural adjustment in the fisheries sector for funding under the SAPARD programme.

Mozambique, 1999

The Department for International Development engaged MegaPesca to review the staffing and organisational structure for fish inspection and laboratory testing in the General Directorate of Fisheries.

Turkey, 1999

The European Commission engaged MegaPesca to diagnose the problems to be addressed by the Competent Authority in meeting EU health and hygiene conditions for fishery products, including bivalve molluscan shellfish. Assisted the Ministry of Agriculture to prepare an action plan for the strengthening of legislation, official inspection and control systems for fishery products.

European Union, 1998 – 2000

"Consolidation Study: Regional Socioeconomic Studies on Employment and the level of dependency on Fishing". MegaPesca managed a framework for the conduct of 22 concurrent socioeconomic studies in 15 Member States focusing on employment in fishing and related issues, and calculated dependency ratios for employment and value added at regionally disaggregated (NUTS3) levels. Collated data and prepared final comparative and consolidated report, used by all EU Member States for Objective 2 structural fund planning. Undertook specific studies for Portugal (Continental) and Azores and Madeira.

Brazil, 1998

MegaPesca consultants undertook a post-project evaluation of development assistance delivered to a small-scale coastal fishing community in Brazil. The project assessed the impact of the training and technical assistance provided.

European Parliament, 1998 -1999

Analytical study on the problem of discards in fisheries outlining the different policy options for the European Parliament. The study reviewed existing information on discards and gear selectivity, and

developed a discard index to identify EU problem fisheries. A field visit was undertaken to Norway, to study the methods and effect of Norwegian policies on closed areas and discard bans. A series of workable policy options were designed for application to EU waters, and their implications assessed.

China - Hong Kong, 1998 – 1999

Expert witness services in a dispute involving the rejection of a cargo of frozen Ilex squid, valued at US\$16.6 million. MegaPesca reviewed documentation and prepared a detailed written critique of the sampling and inspection methodologies applied to assess the compliance of the cargo quality with the contract specification. Support was provided to lawyers in designing case strategies, and verbal evidence was given at arbitration hearings.

Vietnam, 1998

Advised the Ministry of Fisheries on a comprehensive revision of the legislative framework for control of safety of fishery products. The project involved the development of legislation for new approval procedures for all fisheries enterprises based on compliance with food safety requirements, to underpin exports to the EU. Working with a local consultant, MegaPesca's specialist developed specifications for food safety conditions of production and marketing, using a hazards-based approach. Particular emphasis was placed on meeting international (EU and US FDA) requirements for HACCP, and for the control of the trematode hazard in freshwater fish.

Ghana, 1998 – 1999

Worked with local fishers and a tuna cannery to assess the technical and economic feasibility of converting an existing Ghanaian wooden trawl vessel to fish for tuna, in national waters, using pole and line techniques. Over a one-year period a suitable vessel was selected and converted to operate on a commercial basis. Data was collected on capital operating costs and revenues and an investment appraisal undertaken. Extension manuals were prepared to assist fishers in the conversion and operation of pole and line vessels.

Latvia, 1997 – 1999

MegaPesca undertook a two-year EU PHARE funded project to assist the Latvian Government and food industry in the modernisation of food safety and quality control systems in line with EU legal and market requirements. Achievements included development of national food safety policy, re-organisation of the food inspection service, strengthening laboratory services, drafting of new food laws and regulations, and training and equipping of food inspectors and their managers. The project also delivered regional training programmes covering HACCP (Hazard Analysis Critical Control Point) to over 100 Latvian food processing firms.

Ghana, 1997

MegaPesca specialists assisted the Ghana Standards Board to introduce new systems of fish inspection and certification, to meet the requirements of the EU Directive 91/493 for third countries exporting to the EU. A new regulation was drafted to introduce an approval system for fish processing establishments and factory vessels, and a series of codes of practice were developed. Inspectors were trained in the application of the Codes, and assistance was given in the commencement and organisation of inspections.

Latvia 1996-97

Assisted fish processing and aquaculture companies in the immediate post-privatisation period with TA and training for quality assurance, marketing management training, business planning, energy efficiency improvements and development of new products and markets. Assistance to the National Board of Fisheries included drafting a policy framework for fisheries trade and marketing systems, strengthened national inspection and quality certification procedures (to EU standards) and preparation of a strategy for aquaculture development.

Egypt, 1996

As part of a multi-sector support programme for agricultural credit, MegaPesca undertook a survey and assessment of the aquaculture sector in Egypt. The report produced gave a detailed assessment of the national market, identified current trends and opportunities for export. Particular focus was placed on means of increasing production of key inputs (e.g. fry, formulated fish feeds) and identified areas where training and/or credit awareness was required.

Kenya, 1996

Supported by the Centre for Development of Industry, MegaPesca provided technical support to a newly established private sector fish processing factory during the commissioning and start-up phase.

Madagascar, 1996

MegaPesca provided the services of a Fish Quality Assurance Specialist to review the Malagache fish inspection and export certification system. Prepared an intervention project for EDF funding in accordance with the logical framework and integrated approach to project cycle management.

Portugal, UK and Denmark, 1996

On behalf of the European Commission DGXIV (Fisheries), and in collaboration with COWI Consult (Denmark), a pilot study was undertaken entitled "Employment Impact Assessment in the Fishing Industries of UK, Portugal and Denmark". The project involved the development of an economic model of employment dynamics based on the construction of a local economy input output model.

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